

Product datasheet for RC216844

SON (NM_138927) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SON (NM_138927) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SON
Synonyms:	BASS1; C21orf50; DBP-5; NREBP; SON3; TOKIMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216844 representing NM_138927 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCAACATCGAGCAGATTTTTAGGTCTTCGTGGTCAGTAAATCCGGGAAATCAACAGGAGC
TTTCCAGTGAAGGAATGAAGGCCAGCTGAATGGTGAACAAATACCCATTGAAGGAAACCAGGCGGG
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CACCAGTGCACAGTTGTCGAGGAATTGCCAGGGCTTCCAGCACCATCCATGGGTTGGAGCCACCACA
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TTGCCAGAGCAGCCTGCGGTAACAGTAGCAATGGAGTTGACCGAACAACTGTGACGACGACAGAGTTGG
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Protein Sequence: >RC216844 representing NM_138927
Red=Cloning site Green=Tags(s)

MATNIEQIFRSFVVSKFREIQQELSSGRNEGQLNGETNTPIEGNQAGDAAASARSLPNEEIVQKIEEVL
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GIEFTTASTLSLVNKYVDVLSLTTQDTEHDMVISTSPSGGSEADIEGPLPAKDIHLDLPSNNNLVSKDTE
EPLPVKESDQTLAALLSPKESGGGEKEVPPPKETLPDSGFSANIEDINEADLVRPLLPKDMERL TSLRA
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SLRSRKRKSKSSEHKSRKRTSESRSRARKRSSKSKSHRSQTRSRSRRRRRRSSRSRKRGRRSVSKEK
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SPIRRKRSSRERGRSPKRLTDLKAQLLEIAKANAAAMCAKAGVPLPPNLKPAPPPTIEEKVAKKSGGA
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LTKEFPVSSGSQHRKKEADSVYGEWVPEKNGEENKDDDNVFNSSNLPSEPVDISTAMSERALAQKRLSEN
AFDLEAMSMLNRAQERIDAWAQLNSIPGQFTGSTGVQVLTQEQLANTGAQAWIKKQFLRAAPVTGGMGA
VLMRKMGWREGELGKNKEGNKEPILVDFKTRKGLVAVGERAQKRSNGFSAAMKDL SGKHPVSALMEIC
NKRRWQPPEFLLVHDSGPDHRKHFLFRVLRNGALTRPNCMFFLNRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8018_f06.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_138927

ORF Size: 7278 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138927.4](#)

RefSeq Size: 8412 bp

RefSeq ORF: 7281 bp

Locus ID: 6651

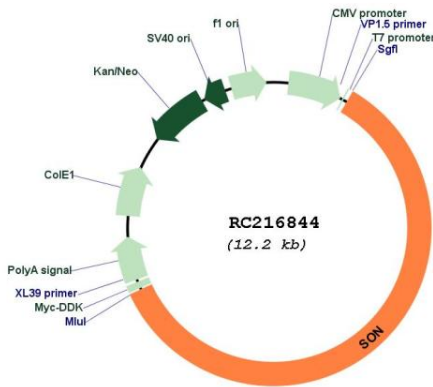
UniProt ID: [P18583](#)

Cytogenetics: 21q22.11

MW: 263.7 kDa

Gene Summary: This gene encodes a protein that contains multiple simple repeats. The encoded protein binds RNA and promotes pre-mRNA splicing, particularly of transcripts with poor splice sites. The protein also recognizes a specific DNA sequence found in the human hepatitis B virus (HBV) and represses HBV core promoter activity. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC216844